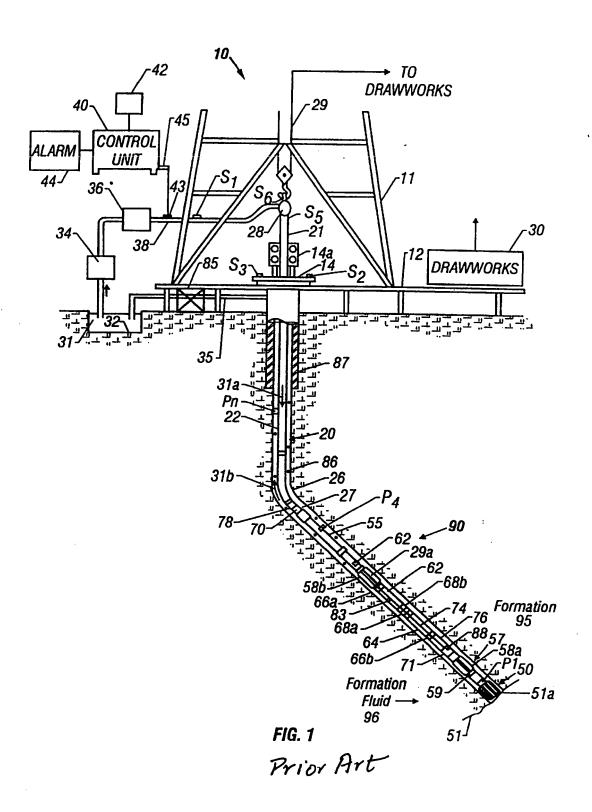
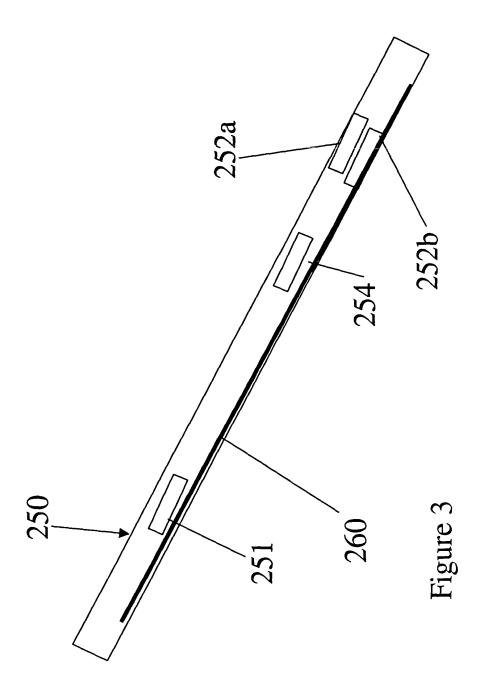
Applicant: Paul G. Caims et al.
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Title: "Measurement-While-Drilling Assembly Using Real-Time Toolface
Oriented Measurements"

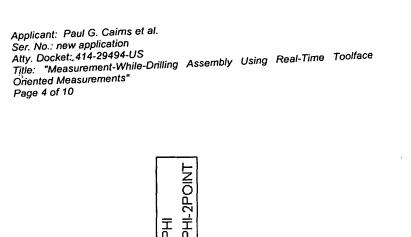
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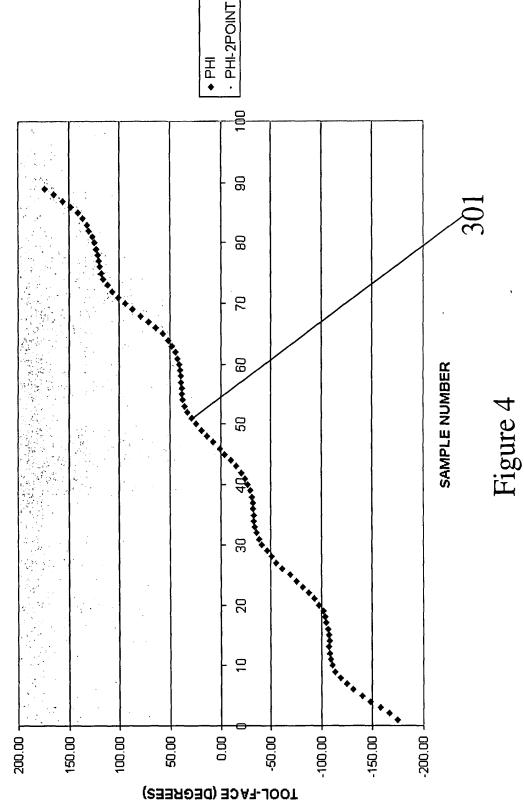


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TOOL-FACE AND ITS TWO-POINT PROJECTION

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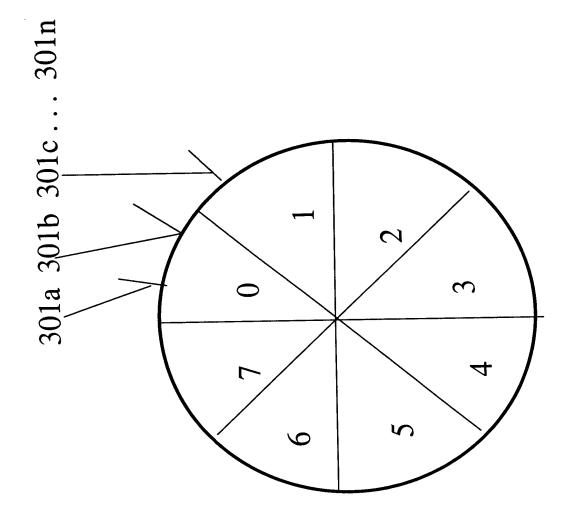
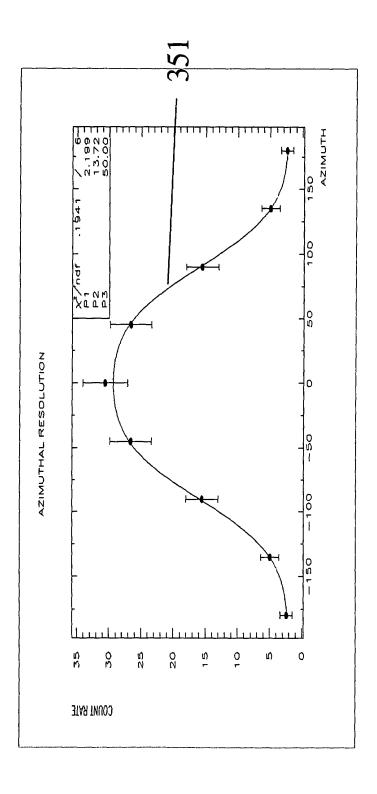
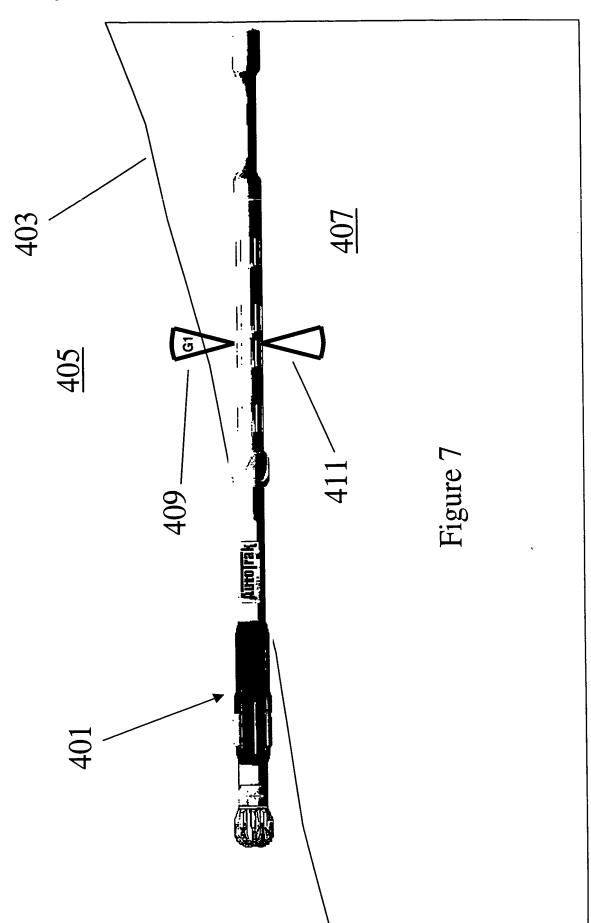


Figure 5

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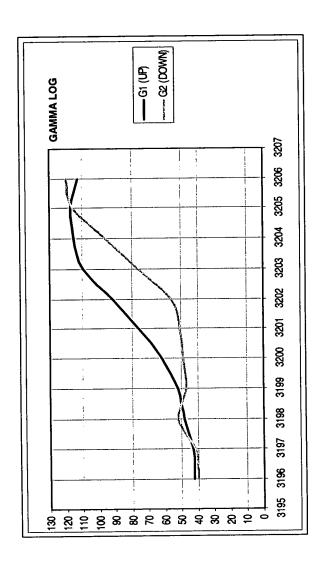
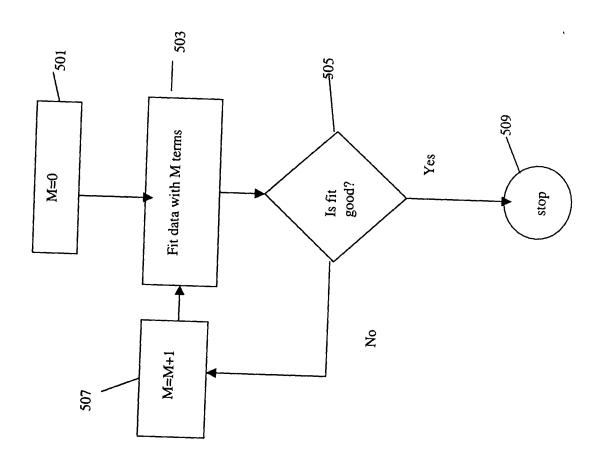


Figure 8

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Figure 9



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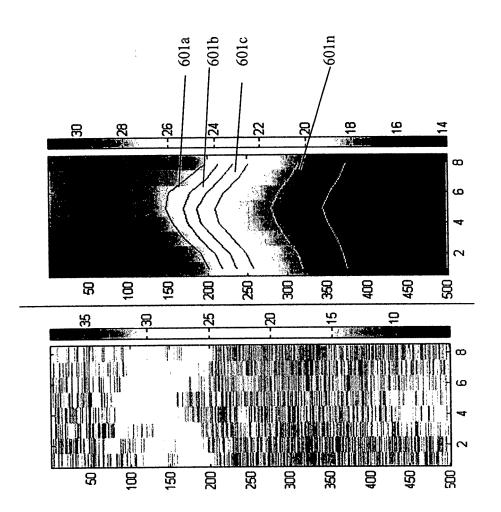


Figure 10a Figure 10b